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#4  
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7-1002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants:

Thomas W. Christoffel, David N. Juitt, Geoffrey Crawshaw and David B. Crosbie

Application No.:

10/055,028

Group Art Unit: 2681

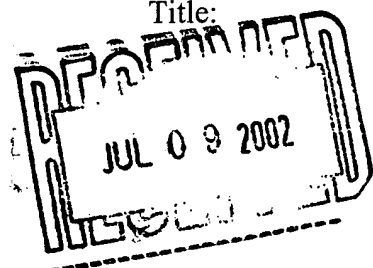
Filed:

January 23, 2002

Examiner: Not Assigned

Title:

METHODS AND SYSTEMS FOR ENABLING SEAMLESS ROAMING OF  
MOBILE DEVICES AMONG WIRELESS NETWORKS



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202	
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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
  - ☒ Copies of the cited references are enclosed.
  - ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
  - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
  - ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
    - ☐ the explanation provided on the attached sheet.
    - ☐ the explanation provided in the Specification.
    - ☐ submission of the enclosed International Search Report.
    - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
    - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]  
\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]  
\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By J. Scott Southworth  
J. Scott Southworth  
Registration No.: 39,382  
Telephone: (978) 341-0036  
Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: June 28, 2002

PTQ-1449 REPRODUCED  <div style="text-align: center;"> <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>                   June 28, 2002                   (Use several sheets if necessary)             </div>				ATTORNEY DOCKET NO. 3180.1001-004		APPLICATION NO. 10/055,028	
<div style="position: absolute; left: -100px; top: 50px; border: 1px solid black; border-radius: 50%; padding: 5px; transform: rotate(-45deg); transform-origin: left top;">                         OIP JUL 0 2 2002 PATENT &amp; TRADEMARK OFFICE                     </div>				APPLICANT Thomas W. Christoffel, et al.			
				FILING DATE January 23, 2002		GROUP 2681	
<b>U.S. PATENT DOCUMENTS</b>							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIAT E
	AA	5,809,415	09/15/1998	Rossmann	455	422	
	AB	6,018,657	01/25/2000	Kennedy, III, et al.	455	426	
	AC	6,137,791	10/24/2000	Frid, et al.	370	352	03/25/97
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N YES NO
	AL	WO 01/50781 A2	12 Jul 2001	PCT			
	AM						
	AN						
	AO						
	AP						
	AQ						
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	AR	Menon, et al., U.S. Patent Application Publication, US 2001/0001268 A1, May 17, 2001, U.S. Cl. 370/329.					
	AS	Townesley, W., et al., Network Working Group, RFC 2661, "Layer Two Tunneling Protocol 'L2TP'," 1999 [Retrieved from the Internet on 08/29/01] 75 pp. <a href="http://www.ietf.org/rfc/rfc2661.txt?number=2661,(2001)">http://www.ietf.org/rfc/rfc2661.txt?number=2661,(2001)</a> .					
	AT	"Section 10.9 Scatternet," Bluetooth Specification Version 1.1:120-123 (February 22, 2001).					
EXAMINER				DATE CONSIDERED			

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APPLICATION NO.  
10/055,028

APPLICANT  
Thomas W. Christoffel, et al.

FILING DATE  
January 23, 2002

GROUP  
2681

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
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## Technology Center 2000

[illegible]

AU	"Part C: Link Manager Protocol," <i>Bluetooth Specification Version 1.1</i> :184-252 (February 22, 2001).
AV	"Part K:9: LAN Access Profile," <i>Bluetooth Specification Version 1.1</i> :275-308 (February 22, 2001).
AW	T. Muller, Bluetooth White Paper, <i>Bluetooth Security Architecture Version 1.0</i> :1-33 (1999).
AX	ETSI HIPERLAN/2 standard [online], September 2000 [Retrieved from the Internet on 07-16-2001]. (3 pp.) <a href="http://www.etsi.org/technicalactive/hiperlan2.htm">http://www.etsi.org/technicalactive/hiperlan2.htm</a> .
AY	Schneiderman, R., "Bluetooth's slow dawn: Hype gives way to hard work as expectations for the mini radio network encounter nettlesome interoperability issues," <i>IEEE Spectrum</i> : 61-65 (November 2000).
AZ	Berger, S., et al., "Pervasive Networking Using Bluetooth: A Status Report and Future Plans," Presentation Slides and Paper (21 pgs.) IBM Watson Research Center: (1999).

DATE CONSIDERED